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L Number	Hits	Search Text	DB	Time stamp
_	0	700/299 and dielectric near magnetic	USPAT; US-PGPUB	2003/01/27 15:47
-	1	700/299 and dielectric same magnetic	USPAT; US-PGPUB	2003/01/27 15:48
-	4	700/299 and dielectric and magnetic	USPAT; US-PGPUB	2003/01/27 15:56
-	6	dielectric near (magnetic adj head)	USPAT; US-PGPUB	2003/01/27 15:59
-	245	dielectric same (magnetic adj head)	USPAT; US-PGPUB	2003/01/27 16:02
-	1	(dielectric same (magnetic adj head)) and 700/299	USPAT; US-PGPUB	2003/01/27 16:02
-	1	(dielectric same (magnetic adj head)) and (probe same heat) and (control\$3 same heat) and calculat\$3	USPAT; US-PGPUB	2003/01/27 16:04
-	2	(dielectric same (magnetic adj head)) and (probe same heat) and calculat\$3	USPAT; US-PGPUB	2003/01/27 16:06
-	2448	(giant adj magnetoresistive adj sensor) or GMR	USPAT; US-PGPUB	2003/01/28 13:20
-	101	((giant adj magnetoresistive adj sensor) or GMR) and probe and calculat\$3	USPAT; US-PGPUB	2003/01/27 16:20
-	1	((giant adj magnetoresistive adj sensor) or GMR) and probe and (calculat\$3 same (thermal adj conductance))	USPAT; US-PGPUB	2003/01/27 16:23
-	1	((giant adj magnetoresistive adj sensor) or GMR) and probe and (calculat\$3 same (conductance))	USPAT; US-PGPUB	2003/01/27 16:23
-	7	((giant adj magnetoresistive adj sensor) or GMR) and probe and (calculat\$3 and (conductance))	USPAT; US-PGPUB	2003/02/26 17:51
-	1	((giant adj magnetoresistive adj sensor) or GMR) and probe and (thermal adj conductance)	USPAT; US-PGPUB	2003/01/27 16:39
-	4	((giant adj magnetoresistive adj sensor) or GMR) and (thermal adj conductance)	USPAT; US-PGPUB	2003/01/27 17:17
-	10	(magnetic adj head) and (thermal adj conductance)	USPAT; US-PGPUB	2003/01/27 17:46
-	28	((giant adj magnetoresistive adj sensor) or GMR) and (measure same heat)	USPAT; US-PGPUB	2003/01/27 17:47
-	258	(magnetic near head) same dielectric	USPAT; US-PGPUB	2003/01/28 12:19
-	0	((magnetic near head) same dielectric) and (probe near heat)	USPAT; US-PGPUB	2003/01/28 12:24
-	2	((magnetic near head) same dielectric) and (probe same heat)	USPAT; US-PGPUB	2003/01/28 12:24
-	10	((magnetic near head) same dielectric) and (probe and heat)	USPAT; US-PGPUB	2003/01/28 12:35
-	11	((magnetic near head) same dielectric) and (measure same heat\$3)	USPAT; US-PGPUB	2003/01/28 12:56
-	223	<pre>((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.</pre>	USPAT; US-PGPUB	2003/01/28 13:31
-	1	(((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure near heat)	USPAT; US-PGPUB	2003/01/28 16:24
-	5	<pre>(((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure same heat)</pre>	USPAT; US-PGPUB	2003/01/28 14:22
-	5	<pre>(((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure same heat\$3)</pre>	USPAT; US-PGPUB	2003/01/28 14:23
-	1	<pre>(((giant adj magnetoresistive adj sensor) or GMR).ti. or((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure near temperature)</pre>	USPAT; US-PGPUB	2003/01/28 16:25

or GMR).ti. or ((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure same temperature) ((giant adj magnetoresistive adj sensor) or GMR) ((giant adj magnetoresistive adj sensor) or GMR). and (measure near temperature) ((giant adj magnetoresistive adj sensor) or GMR). ab. and (measure near temperature) ((giant adj magnetoresistive adj sensor) or GMR). ab. and (measure near heat) uSPAT; US-PGPUB USPAT; or GMR). ab. and (measure near heat) and (calculat\$3 same conductance) ((acalculat\$3 same conductance) (measure near heat) and (calculat\$3 same conductance) (measure near heat) and (calculat\$3 same (thermal adj conductance) (MR and (measure near heat) GMR and (measure near thermal) GMR and (measure near thermal) GMR and (measure near flow) (magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow)) ((magnetic adj head)) and ((cool\$3 or current or temperature) near (magnetic adj head)) ((magnetic adj head)) and ((cool\$3 or current or temperature) near (magnetic adj head)) ((magnetic adj head)) and ((cool\$3 or current or temperature) near (magnetic adj head)) (((magnetic adj head))) and ((cool\$3 or current or temperature) near (magnetic adj head)) (((magnetic adj head))) and ((cool\$3 or current or temperature) near (magnetic adj head)) (((magnetic adj head))) and ((cool\$3 or current or temperature) or warm\$ or heat\$3) near (magnetic adj head)) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature) or warm\$ or heat\$3) near (magnetic adj head)) and ((measure or calculate) same (thermal or heat or conductance or flow))) and (cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head)) and (relation or equation) or equation) or formula) ((((magnetic adj head))) and (relation or equation) or equation or formula) 1 ((((magnetic adj head))) and (relation or equati	2 17-					
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2452				.ab.) and (measure same		
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25	3 17:	2003/01/28		resistive adj sensor)	2452	_
197					2.5	
197 ((giant adj magnetoresistive adj sensor) or GMR).ab. 1 (((giant adj magnetoresistive adj sensor) or GMR).ab.) and (measure near heat) and (calculat\$3 same conductance) USPAT; US-PCPUB USPAT; US-PCP	3 17:	2003/01/28		oresistive adj sensor)	25	_
Or GMR).ab. Or GMR].ab.					107	
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current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation) (((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation or formula) 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18)			OD IGIOD			
near (magnetic adj head))) and (relation or equation) (((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation or formula) ((((magnetic adj head) and ((measure or USPAT; 2003/02/18)))						
or equation) (((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation or formula) 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18)))						
8 (((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation or formula) 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18)))				(101401011		
calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation or formula) 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18	16.1	2003/02/18	USPAT: 2	d) and ((measure or		
conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation or formula) 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18		_000,02,10				
current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (relation or equation or formula) 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18						
near (magnetic adj head))) and (relation or equation or formula) 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18			4			
or equation or formula) - 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18						
- 1 ((((magnetic adj head) and ((measure or USPAT; 2003/02/18						
	16:1	2003/02/18	USPAT; 2			- 0 1/1
I DOTOGEOUS COMO COMO OF HOUSE OF HOUSE OF		, ,	US-PGPUB			- 4
conductance or flow))) and ((cool\$3 or))) and ((cool\$3 or		1
current or temperature or warm\$ or heat\$3)				ure or warm\$ or heat\$3)		
near (magnetic adj head))) and (relation				nead))) and (relation		
or equation or formula)) and (thermal adj						į
conduct\$6)			İ			
- 1 (((magnetic adj head) and ((measure or USPAT; 2003/02/18	16:2	2003/02/18	USPAT; 2	d) and ((measure or	1	- 10
calculate) same (thermal or heat or US-PGPUB						į
conductance or flow))) and ((cool\$3 or			1))) and ((cool\$3 or		
current or temperature or warm\$ or heat\$3)			Ĭ	are or warm\$ or heat\$3)	1	
near (magnetic adj head))) and (thermal						
adj conduct\$6)						
- 1 (((magnetic adj head) and ((measure or USPAT; 2003/02/18	16:1	2003/02/18	USPAT; 2	d) and ((measure or	1	-
calculate) same (thermal or heat or US-PGPUB			US-PGPUB	ermal or heat or		
conductance or flow))) and ((cool\$3 or						
current or temperature or warm\$ or heat\$3)						
near (magnetic adj head))) and (thermal				nead))) and (thermal		
near conduct\$6)						1

-	3	<pre>((((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or</pre>	USPAT; US-PGPUB	2003/02/18 16:17
		current or temperature or warm\$ or heat\$3)		; ; !
		near (magnetic adj head))) and (resistance and temperature and current)) and	!	
-	10	conductance (((magnetic adj head) and ((measure or calculate) same (thermal or heat or	USPAT; US-PGPUB	2003/02/18 16:20
		<pre>conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (resistance</pre>		
-	14	calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or	USPAT; US-PGPUB	2003/02/18 16:23
-	9	calculate) same (thermal or heat or	USPAT; US-PGPUB	2003/02/18 16:25
		conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (resistance and temperature and current)) and		
_	1	<pre>(conduct\$6) (((((magnetic adj head) and ((measure or calculate) same (thermal or heat or</pre>	USPAT;	2003/02/18 16:25
		<pre>conductance or flow))) and ((cool\$3 or current or temperature or warm\$ or heat\$3) near (magnetic adj head))) and (resistance and temperature and current)) and</pre>	US TGTOB	
_	6	<pre>(conduct\$6)) and dielectric ((magnetic adj head) and ((measure or calculate) same (thermal or heat or conductance or flow))) and ((cool\$3 or current or temperature) near (magnetic adj head)) and (control\$5 same (heat or thermal))</pre>	USPAT; US-PGPUB	2003/02/18 16:46
_	21		USPAT; US-PGPUB	2003/02/18 16:56
_	1332		USPAT;	2003/02/20 13:10
_	6	(magnetic adj head) near dielectric	US-PGPUB USPAT; US-PGPUB	2003/02/18 17:02
_	3	((magnetic adj head) near dielectric) and (thermal or heat)	USPAT; US-PGPUB	2003/02/20 14:17
-	251	(magnetic adj head) same dielectric	USPAT; US-PGPUB	2003/02/18 17:02
_	140	((magnetic adj head) same dielectric) and (thermal or heat)	USPAT; US-PGPUB	2003/02/18 17:05
-	11	<pre>(((magnetic adj head) same dielectric) and (thermal or heat)) and ((measur\$3 or calculat\$3 or control\$4) near (heat or thermal or conductance or dielectric or flow))</pre>	USPAT; US-PGPUB	2003/02/18 17:10
-	4	, ,	USPAT; US-PGPUB	2003/02/18 17:11
_	251	(magnetic adj head) same dielectric	USPAT; US-PGPUB	2003/02/20 13:16
- 1	33	((magnetic adj head) same dielectric) and GMR	US-PGPUB USPAT; US-PGPUB	2003/02/20 13:21
-	175	700/299	USPAT; US-PGPUB	2003/02/20 14:15
-	11	700/299 and dielectric	USPAT; US-PGPUB	2003/02/20 14:16

-	1	(700/299 and dielectric) and (magnetic adj	USPAT; US-PGPUB	2003/02/20 14:16
_	6	((magnetic adj head) near dielectric)	USPAT; US-PGPUB	2003/02/20 14:27
-	6	((magnetic near head) near dielectric)	USPAT; US-PGPUB	2003/02/20 14:29
-	225	character\$7 near (thermal adj response)	USPAT; US-PGPUB	2003/02/20 14:32
_	1	(character\$7 near (thermal adj response)) and (magnetic adj head)	USPAT; US-PGPUB	2003/02/20 14:32
_	2	(character\$7 near (thermal adj response))	USPAT; US-PGPUB	2003/02/20 15:08
-	311		USPAT; US-PGPUB	2003/02/20 14:52
_	6	MR near dielectric	USPAT; US-PGPUB	2003/02/20 14:53
-	26	heat near flow near zero	USPAT; US-PGPUB	2003/02/20 15:09
-	2	calculate near (thermal adj conductance)	USPAT; US-PGPUB	2003/02/20 15:45
-	11	(magnetic near head) and (thermal adj	USPAT; US-PGPUB	2003/02/20 15:49
-	1	(magnetic near head) same (thermal adj	USPAT; US-PGPUB	2003/02/20 16:09
-	1834	thermal adj conductance	USPAT; US-PGPUB	2003/02/20 17:46
-	2	702/136 and (magnetic near head)	USPAT; US-PGPUB	2003/02/20 16:08
-	611	(thermal adj conductance) and measure	USPAT; US-PGPUB	2003/02/20 18:26
_	102	((thermal adj conductance) and measure) and calculate	USPAT; US-PGPUB	2003/02/20 16:10
-	155	(thermal adj conductance) and (measure near (temperature or heat))	USPAT; US-PGPUB	2003/02/20 16:18
-	1	((thermal adj conductance) and (measure near (temperature or heat))) and	USPAT; US-PGPUB	2003/02/20 16:22
		((magnetic near head) or GMR or MR or magnetoresistive)		
-	34	near (temperature or heat))) and	USPAT; US-PGPUB	2003/02/20 16:23
		((magnetic near head) or GMR or MR or magnetoresistive or head)		
-	1	((thermal adj conductance) and (measure near (temperature or heat))) and	USPAT; US-PGPUB	2003/02/20 16:24
	TE	((magnetic same head) or GMR or MR or magnetoresistive)		
_	92	((thermal adj conductance) and (measure near (temperature or heat))) and (control\$3 same heat)	USPAT; US-PGPUB	2003/02/20 16:29
_	82	((thermal adj conductance) and (measure near (temperature or heat))) and	USPAT; US-PGPUB	2003/02/20 16:31
_	24	<pre>(control\$3 near (heat or temperature)) (((thermal adj conductance) and (measure near (temperature or heat))) and</pre>	USPAT; US-PGPUB	2003/02/20 17:40
		(control\$3 near (heat or temperature))) and dielectric		
-	0	((((thermal adj conductance) and (measure near (temperature or heat))) and	USPAT; US-PGPUB	2003/02/20 16:45
		(control\$3 near (heat or temperature))) and dielectric) and ((thermal adj		
		conductance) near (calculat\$3 or comput\$3 or evaluat\$3))	Henam.	2002/02/20 17:41
_	14	<pre>((((thermal adj conductance) and (measure near (temperature or heat))) and (control\$3 near (heat or temperature)))</pre>	USPAT; US-PGPUB	2003/02/20 17:41
_	44	and dielectric) and (heat near flow)	USPAT;	2003/02/20 17:50
_	41	((thermal adj conductance) near K) and	US-PGPUB USPAT;	2003/02/20 17:53
		(power or (current and resistance)) and temperature	US-PGPUB	

_	1	<pre>(thermal adj conductance) same ((read/write) near head)</pre>	USPAT; US-PGPUB	2003/02/20 18:30
-	57	((read/write or magnetic) near head) and thermoelectric	USPAT; US-PGPUB	2003/02/20 18:34
_	19	(((read/write or magnetic) near head) and thermoelectric) and (K or conductance)	USPAT; US-PGPUB	2003/02/20 18:35
-	9	(calculat\$3 or comput\$3 or evaluat\$3) near (thermal near conductance)	USPAT	2003/02/21 16:51
-	0	((calculat\$3 or comput\$3 or evaluat\$3) near (thermal near conductance)) and head	USPAT	2003/02/21 16:44
-	0	((calculat\$3 or comput\$3 or evaluat\$3) near (thermal near conductance)) and magnetic	USPAT	2003/02/21 16:51
_	0	((calculat\$3 or comput\$3 or evaluat\$3) near (thermal near conductance)) and magnetoresistive	USPAT	2003/02/21 17:25
-	283	I -	USPAT	2003/02/21 17:29
-	1	((magnetic adj head) same ((giant adj magentosensitive) or GMR)) and thermoelectric	USPAT	2003/02/24 13:52
-	3	((magnetic adj head) same ((giant adj magentosensitive) or GMR)) and (ambient adj temperature)	USPAT	2003/02/21 17:30
-	46	3 .	USPAT	2003/02/21 17:33
-	13	(US-5966275-\$ or US-5986978-\$ or US-5540988-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or	USPAT; US-PGPUB	2003/02/24 15:14
		US-6338899-\$ or US-5969523-\$ or US-5850324-\$ or US-4478076-\$ or US-6189367-\$).did. or (US-20020095243-\$).did.		
	11	((US-5966275-\$ or US-5986978-\$ or US-5540988-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$ or US-5969523-\$ or US-5850324-\$ or US-4478076-\$ or US-6189367-\$).did. or (US-20020095243-\$).did.) and head	USPAT; US-PGPUB	2003/02/24 17:12
-	10	((US-5966275-\$ or US-5986978-\$ or US-5540988-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$ or US-5969523-\$ or US-5850324-\$ or US-4478076-\$ or US-6189367-\$).did. or (US-20020095243-\$).did.) and head and	USPAT; US-PGPUB	2003/02/24 12:50
-	2	thermal ((US-5966275-\$ or US-5986978-\$ or US-5540988-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$ or US-5969523-\$ or US-5850324-\$ or US-4651564-\$ or US-4478076-\$ or US-6189367-\$).did. or (US-20020095243-\$).did.) and head and (thermal adj response)	USPAT; US-PGPUB	2003/02/24 13:00
-	7	((US-5966275-\$ or US-5986978-\$ or US-5540988-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$ or US-5969523-\$ or US-5850324-\$ or US-4651564-\$ or US-4478076-\$ or US-6189367-\$).did. or (US-20020095243-\$).did.) and (magnetic adj head)	USPAT; US-PGPUB	2003/02/24 13:29

-	1	((US-5966275-\$ or US-5986978-\$ or	USPAT;	2003/02/24 13:13
1		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or		
		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or		
		US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and (magnetic adj		
1		head) and cool\$3		
-	8	((US-5966275-\$ or US-5986978-\$ or	USPAT;	2003/02/24 13:39
		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or		1
		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or		
		US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and ((magnetic		
		adj head) or MR adj head)		
-	572	GMR same (magnetic adj head)	USPAT;	2003/02/24 13:41
			US-PGPUB	
-	84	GMR same (magnetic adj head) same current	USPAT;	2003/02/24 13:42
			US-PGPUB	
-	1	GMR same (magnetic adj head) same current	USPAT;	2003/02/24 13:45
		same dielectric	US-PGPUB	
1 -	13		USPAT;	2003/02/24 13:48
		and cool\$3 and temperature	US-PGPUB	
-	5	((magnetic adj head) near dielectric)	USPAT	2003/02/24 13:53
-	3	(US-5477701-\$ US-5850324-\$	USPAT;	2003/02/24 18:22
		US-4478076-\$).did.	US-PGPUB	J. I.
-	. 2	((US-5477701-\$ US-5850324-\$	USPAT;	2003/02/24 15:16
		US-4478076-\$).did.) and cool	US-PGPUB	1
-	2	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	USPAT;	2003/02/24 18:22
1		US-4478076-\$).did.) and cool\$3 and	US-PGPUB	
		temperature	1	1/11.6
-	7	((00 0000000) 00 00 00 00 00 00	USPAT;	2003/02/24 17:55
		US-5540988-\$ or US-5477701-\$ or	US-PGPUB	
	1	US-6140814-\$ or US-5270987-\$ or	1	
1 1 1 1 1 1		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or		
		US-4478076-\$ or US-6189367-\$).did. or		
111 114		(US-20020095243-\$).did.) and (GMR or MR or		
		magnetoresistive or (giant adj		
		magnetoresistive adj sensor))		000001001001001
_	1	((US-5477701-\$ US-5850324-\$	USPAT;	2003/02/24 17:53
		US-4478076-\$).did.) and (GMR or MR or	US-PGPUB	
		magnetoresistive or (giant adj		
		magnetoresistive adj sensor))		2002/02/04 10 00
-	4	((US-5966275-\$ or US-5986978-\$ or	USPAT;	2003/02/24 18:00
		US-5540988-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or	US-PGPUB	
		US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or	1	
		US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and ((GMR or		7 / / / / / / / / / / / / / / / / / / /
		(giant adj magnetoresistive adj sensor))		1.1
		(glant ad) magnetoresistive adj sensor)) same (MR or magnetoresistive))		
	5		HODAM.	2003/02/24 18:00
-	3	US-5540988-\$ or US-5477701-\$ or	USPAT;	2003/02/24 18:00
			US-PGPUB	
		US-6140814-\$ or US-5270987-\$ or US-6338899-\$ or US-5969523-\$ or		
		US-5850324-\$ or US-4651564-\$ or US-4478076-\$ or US-6189367-\$).did. or		
		(US-20020095243-\$).did.) and (GMR or	Į.	1
	i	(giant adj magnetoresistive adj sensor))	į.	1
	0		HCDAT.	2003/02/24 18:22
	1	US-4478076-\$).did. and MR	USPAT;	2003/02/24 18:22
	1		US-PGPUB USPAT;	2003/02/24 18:48
	1	US-4478076-\$).did. and magnetoresistive	USPAT;	2003/02/24 18:48
_	4223	thermoelectric same cool\$3	USPAT;	2003/02/24 18:54
	1223	distinct court same courts	US-PGPUB	2003/02/24 10:54
_	64	(thermoelectric near cool\$3) same magnetic	USPAT;	2003/02/24 18:57
		, Samo magnetic	US-PGPUB	2000,02,24 10.57
L-,		L	10200	

_	7	(thermoelectric near cool\$3) same (magnetic near head)	USPAT; US-PGPUB	2003/02/24 18:59
-	1	(thermoelectric same (magnetic near head))	USPAT;	2003/02/24 19:00
_	69	same (thermal near conductance) (thermoelectric same (thermal near	US-PGPUB USPAT;	2003/02/24 19:01
_	57	conductance)) (thermoelectric same (thermal near	US-PGPUB USPAT	2003/02/24 19:04
_	2	conductance)) (thermoelectric same (thermal near conductance)) same model\$3	USPAT	2003/02/24 19:04
-	40850	read/write	USPAT; US-PGPUB	2003/02/25 18:34
_	8425	read/write adj head	USPAT; US-PGPUB	2003/02/25 19:05
-	10	model\$3 near thermoelectric	USPAT; US-PGPUB	2003/02/25 18:45
-	1	(model\$3 near thermoelectric) same (conductance)	USPAT; US-PGPUB	2003/02/25 18:50
-	1	(model\$3 near thermoelectric) same (thermal)	USPAT; US-PGPUB	2003/02/25 18:50
_	2	(model\$3 near thermoelectric) and (conductance)	USPAT; US-PGPUB	2003/02/25 19:35
-	5141	(read/write adj head) same (magnetic)	USPAT; US-PGPUB	2003/02/25 19:09
-	695	<pre>(read/write adj head) same (magnetic adj head)</pre>	USPAT; US-PGPUB	2003/02/25 19:09
-	34	(read/write adj head) near (magnetic adj head)	USPAT; US-PGPUB	2003/02/26 14:35
-	0	head)) and control\$3 near thermal	USPAT; US-PGPUB	2003/02/25 19:10
-	0	(conductance) and (control\$3 near cool\$3)	USPAT;	2003/02/25 19:35
_	0	head)) and (thermal adj conductance)	USPAT; US-PGPUB	2003/02/26 14:36
-	0	((read/write adj head) near (magnetic adj head)) and (thermal adj response)	USPAT; US-PGPUB	2003/02/26 14:39
_	4	((read/write adj head) near (magnetic adj head)) and (GMR)	USPAT; US-PGPUB	2003/02/26 14:40
-	16	(US-5966275-\$ or US-5850324-\$ or US-5969523-\$ or US-5540988-\$ or US-5986978-\$ or US-6128160-\$ or US-5409547-\$ or US-4405961-\$ or US-6189367-\$ or US-4478076-\$ or US-4651564-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$).did. or (US-20020095243-\$).did.	USPAT; US-PGPUB	2003/02/26 16:42
_	1	((US-5966275-\$ or US-5850324-\$ or US-5969523-\$ or US-5540988-\$ or US-5986978-\$ or US-6128160-\$ or US-5409547-\$ or US-4405961-\$ or US-6189367-\$ or US-4478076-\$ or US-4651564-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$).did. or	USPAT; US-PGPUB	2003/02/26 16:57
-	3	(US-20020095243-\$).did.) and (computer adj program) ((US-5966275-\$ or US-5850324-\$ or US-5969523-\$ or US-5540988-\$ or US-5986978-\$ or US-6128160-\$ or US-5409547-\$ or US-4405961-\$ or US-6189367-\$ or US-4478076-\$ or US-4651564-\$ or US-5477701-\$ or US-6140814-\$ or US-5270987-\$ or US-6338899-\$).did. or (US-20020095243-\$).did.) and (computer)	USPAT	2003/02/26 16:55

		1 / / HO 5066075 0		
_	3	((US-5966275-\$ or US-5850324-\$ or US-5969523-\$ or US-5540988-\$ or	USPAT; US-PGPUB	2003/02/26 16:57
		US-5986978-\$ or US-6128160-\$ or	US-PGPUB	
		US-5409547-\$ or US-4405961-\$ or		
		US-6189367-\$ or US-4478076-\$ or		
		US-4651564-\$ or US-5477701-\$ or		
		US-6140814-\$ or US-5270987-\$ or		
		US-6338899-\$).did. or		
	İ	(US-20020095243-\$).did.) and (program)	1	
_	0	((giant adj magnetoresistive) or GMR) near	USPAT;	2003/02/26 17:54
		bandwith	US-PGPUB	
-	0	(ty = and and and and and and and and and and and	USPAT;	2003/02/26 17:56
		bandwith	US-PGPUB	
-	0	((giant adj magnetoresistive) or GMR or	USPAT;	2003/02/26 18:02
		sensor) same bandwith same (signal near	US-PGPUB	
		noise)		
-	0	((giant adj magnetoresistive) or GMR or	USPAT;	2003/02/26 18:02
_	26	sensor) same bandwith same (ratio)	US-PGPUB	0000/00/05 10 00
	20	((giant adj magnetoresistive) or GMR or sensor) same bandwith	USPAT;	2003/02/26 18:02
_	130	1	US-PGPUB	2002/02/26 10:02
	1 130	sensor) same bandwidth same (signal near	USPAT;	2003/02/26 18:03
		noise)	1 00 EGEUD	
_	6	((giant adj magnetoresistive) or GMR) same	USPAT;	2003/02/26 18:16
		bandwidth same (signal near noise)	US-PGPUB	2000,02,20 10.10
-	7		USPAT;	2003/02/26 18:20
		(signal near noise)	US-PGPUB	1
- 0	128	(sensor) same bandwidth same (signal near	USPAT;	2003/02/26 18:29
		noise)	US-PGPUB	
-	5	(sensor) same bandwidth same (signal near	USPAT;	2003/02/26 18:31
		noise) same (magnetoresistive or MR)	US-PGPUB	
- 1	66		USPAT;	2003/02/27 12:57
		noise) same (ratio)	US-PGPUB	
	0	(sensor) near (signal adj to adj noise adj	USPAT;	2003/02/27 13:06
	0	ratio)	US-PGPUB	0000/00/05 00 05
	"	bandwidth near (signal adj to adj noise adj ratio)	USPAT;	2003/02/27 13:07
	103	sensor near (signal near noise near ratio)	US-PGPUB	2002/02/27 12:20
	103	Sensor hear (Signar hear horse hear racto)	USPAT; US-PGPUB	2003/02/27 13:20
	0	(sensor near (signal near noise near	USPAT;	2003/02/27 13:12
		ratio)) near bandwidth	US-PGPUB	2003/02/27 13.12
- "	1	(sensor near (signal near noise near	USPAT;	2003/02/27 13:12
		ratio)) same bandwidth	US-PGPUB	
- 11	70	bandwidth near (signal near noise near	USPAT;	2003/02/27 13:28
		ratio)	US-PGPUB	
·	0	(maximum near bandwidth) near (signal near	USPAT;	2003/02/27 13:30
		noise near ratio)	US-PGPUB	
_	0	(bandwidth near (signal near noise near	USPAT;	2003/02/27 13:28
	11	ratio)) same sensor	US-PGPUB	0000/00/07 15
	11	(maximum near bandwidth) same (signal near	USPAT;	2003/02/27 13:36
<u> </u>	1	noise near ratio)	US-PGPUB	2002/02/07 12:25
	1	((maximum near bandwidth) same (signal near noise near ratio)) same sensor	USPAT;	2003/02/27 13:35
_	2	((maximum near bandwidth) same (signal	US-PGPUB USPAT;	2003/02/27 13:33
	2	near noise near ratio)) and sensor	US-PGPUB	2003/02/2/ 13:33
_	3	((maximum near bandwidth) same (signal	USPAT;	2003/02/27 13:35
		near noise near ratio)) and (GMR or MR)	US-PGPUB	-000,02,2, 15.55
-	99	(magnetic adj head) same (signal near	USPAT;	2003/02/27 13:37
		noise near ratio)	US-PGPUB	
-	6	(magnetic adj head) near (signal near	USPAT;	2003/02/27 13:40
		noise near ratio)	US-PGPUB	
-	8	(magnetic adj head) near ((signal near	USPAT;	2003/02/27 13:51
		noise near ratio) or S/N)	US-PGPUB	i
-	7	(magnetic adj head) same ((signal near	USPAT;	2003/02/27 15:46
		noise near ratio) or S/N) and bandwidth	US-PGPUB	
_		and sensor	HCDZM	2002/00/07 15 55
-	2	(magnetic adj head) same ((signal near	USPAT;	2003/02/27 15:55
		noise near ratio) or S/N) and (maximum adj bandwidth)	US-PGPUB	
		Danamiacii/	<u> </u>	

-	10	(comput\$3 determin\$3 evaluat\$3 calculat\$3)	USPAT;	2003/02/27 17:19
		near ((S/R or (signal near noise near	US-PGPUB	
		ratio)) and bandwidth)		
-	195	(S/R or (signal near noise near ratio))	USPAT;	2003/02/27 17:21
		and (maximum adj bandwidth)	US-PGPUB	
-	0	(S/R or (signal near noise near ratio))	USPAT;	2003/02/27 17:21
		near (maximum adj bandwidth)	US-PGPUB	

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